

Docket No.: 50212-545



IFW

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Customer Number: 20277  
Manabu SHIOZAKI, et al. : Confirmation Number: 2328  
Serial No.: 10/684,590 : Group Art Unit: 2872  
Filed: October 15, 2003 : Examiner:  
For: TRANSMITTED TYPE DIFFRACTIVE OPTICAL ELEMENT

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Information Disclosure  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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**Date: June 9, 2004**  
WDC99 932755-1.050212.0545

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

ATTY. DOCKET NO.  
50212-545

SERIAL NO.  
10/684,590

APPLICANT  
**Manabu SHIOZAKI, et al.**

FILING DATE  
**October 15, 2003**

**GROUP  
2872**

(PTO-1449)

## U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number 4 - Kind Codes (if known)	Publication Date YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
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EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		K. OKA et al., "Analysis of Diffractive Optical Element with Wavelength Region Using Rigorous Coupled-Wave Analysis (RCWA)", Journal of Japan Women's University, Faculty of Science, Vol. 10, (2000), pages 99-108.
		T. GLASER et al., "Diffractive optical isolator made of high-efficiency dielectric gratings only", APPLIED OPTICS, Vol. 41, No. 18, 20 June 2002, pages 3558-3566.
		H.J. GERRITSEN et al., "Rectangular surface-relief transmission gratings with a very large first-order diffraction efficiency (~ 95%) for unpolarized light", APPLIED OPTICS, Vol. 37, No. 25, 1 September 1998, pages 5823-5829.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.